

Inspection Output (IOR)

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Report Filters

Assets All, and including items not linked to any asset.

Results All

Inspection Information

Inspection Name	8459- Solvay PA	Operator(s)	SOLVAY CHEMICALS, INC. (32399)	Plan Submitted	01/20/2022
Status	PLANNED	Lead	Derek Norwood	Plan Approval	01/21/2022
Start Year	2022	Team Members	David Cullom, Dennis Ritter, Lex Vinsel, Scott Anderson, Darren Tinnerstet		by Sean Mayo
System Type	GT	Observer(s)	Deborah Becker, Rell Koizumi	All Activity Start	11/07/2022
Protocol Set ID	GT.2022.01	Supervisor	Scott Rukke	All Activity End	11/07/2022
		Director	Sean Mayo	Inspection Submitted	--
				Inspection Approval	--

Inspection Summary

This inspection was a Transmission Public Awareness inspection. There were no findings as a result of this inspection.

It will be conducted in Longview WA.

Solvay Chemicals operates a 6" hydrogen pipeline for approximately 481 feet across State Highway 432 in Longview, WA.

The primary contact is:

Pascal Mansy
GBU Peroxides
Longview Engineering and Maintenance Manager
pascal.mansy@solvay.com
Cell (713) 702-3397
Office (360) 577-7800
3500 Industrial Way

Longview, WA 98632

SYSTEM DESCRIPTION

Solvay Pipeline	Designation:	6"	GB-AA11,	per	Solvay	Pipe			
Specification						240.01-700			
Pipe	Material:	6"	Schedule	40	ASTM	A53-B	Seamless		
Pipe	Length:	~ 500	feet, see	attached	drawing	SK-393	(Attachment F)		
Normal	Operating		Pressure:	60	psig	@	60°F		
Maximum	Allowable		Operating	Pressure	(MAOP):	150	psig		
Hoop			Stress:		1775		psig		
%	Specified		Minimum	Yield	Strength	(SMYS):	5.1%		
Class	Location:	1	(per	DOT	Pipeline	Safety	Regulations,	Section	192.5)
Pipeline	Classification:		Transmission	Line	(per	WUTC		determination)	
Operator ID:									

Scope (Assets)

Short # Name	Long Name	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Inspected	Total	Required % Complete
1. 90612	Solvay Hydrogen System PA	unit	90612	Compressor Stations Bottle/Pipe - Holders Vault Service Line Gas Storage Field (Aboveground) Offshore GOM OCS Cast or Ductile Iron Copper Pipe Aluminum/Amphoteric Plastic Pipe CDA AMAOP Abandoned	41	41	41	41	100.0%

1. Percent completion excludes unanswered questions planned as "always observe".

Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent	Notes
1.	90612	--	PD	P, R, O, S	Detail	--

Plan Implementations

Activity # Name	SMART Act#	Start Date End Date	Focus Directives	Involved Groups/Subgroups	Assets	Qst Type(s)	Planned	Required	Inspected	Total	Required % Complete
1. Office	--	11/07/2022 -- 11/07/2022	--	all planned questions	all assets	all types	41	41	41	41	100.0%

1. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.
2. Percent completion excludes unanswered questions planned as "always observe".

Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	Office	COMPLETED	11/15/2022	Office	90612

Results (all values, 41 results)

47 (instead of 41) results are listed due to re-presentation of questions in more than one sub-group.

EP.ERG: Emergency Response

1. Question Result, ID, Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4), References 192.616(c), ADB-05-03) (also presented in: PD.PA)
 Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*
 Assets Covered 90612
 Result Notes Public Awareness letters sent annually to stakeholders

Reviewed USPS receipts for 2020 and 2021, 2022 not yet completed

Attend LEPC meetings periodically

MO.RW: ROW Markers, Patrols, Leakage Survey and Monitoring

2. Question Result, ID, References **Sat, MO.RW.PATROL.P, 192.705(a) (192.705(b), 192.705(c))** (also presented in: PD.RW)
Question Text *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?*
Assets Covered **90612**
Result Notes **Patrolling performed every two months, OM&E Manual Attachment A and Section 7.7**

OM&E Manual Attachment B (P8)
3. Question Result, ID, References **Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c))** (also presented in: PD.RW)
Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*
Assets Covered **90612**
Result Notes **Performed every two months, NWMF completed until 04/2022, Everline took over after that**

Reviewed records for 2021 and 2022
4. Question Result, ID, References **Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d))** (also presented in: PD.RW)
Question Text *Are line markers placed and maintained as required?*
Assets Covered **90612**
5. Question Result, ID, References **Sat, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c))** (also presented in: PD.RW)
Question Text *Are the ROW conditions acceptable for the type of patrolling used?*
Assets Covered **90612**
6. Question Result, ID, References **Sat, MO.RW.ROWMARKER.P, 192.707(a) (192.707(b), 192.707(c), 192.707(d))** (also presented in: PD.RW)
Question Text *Does the process adequately cover the requirements for placement of ROW markers?*
Assets Covered **90612**
Result Notes **OM&E Section 7.8 (192.707)**

OM&E Attachment B (P9)

PD.DP: Damage Prevention

7. Question Result, ID, References **Sat, PD.DP.PDPROGRAM.P, 192.614(a)**
Question Text *Is a damage prevention program approved and in place?*
Assets Covered **90612**
Result Notes **OM&E Section 7.7 (192.614)**

OM&E Attachment B (P1, P2)
8. Question Result, ID, References **Sat, PD.DP.ONECALL.P, 192.614(b)**
Question Text *Does the process require participation in qualified one-call systems?*
Assets Covered **90612**
Result Notes **OM&E Section 7.7 (192.614)**
9. Question Result, ID, References **Sat, PD.DP.EXCAVATEMARK.P, 192.614(c)(5)**

Question Text *Does the process require marking proposed excavation sites to CGA Best Practices or use more stringent and accurate requirements?*

Assets Covered 90612

Result Notes OM&E Attachment B (P1 and P2)

10. Question Result, ID, References Sat, PD.DP.TPD.P, 192.614(c)(1)

Question Text *Does the process specify how reports of Third Party Activity and names of associated contractors or excavators are input back into the mail-outs and communications with excavators along the system?*

Assets Covered 90612

Result Notes Public Awareness letter sent to all excavators who call 811

11. Question Result, ID, References Sat, PD.DP.TPDONECALL.P, 192.614(c)(3)

Question Text *Does the process specify how reports of TPD are checked against One-Call tickets?*

Assets Covered 90612

Result Notes Incident investigation would be conducted and locates would be verified

OM&E Section 7.7 (192.617)

12. Question Result, ID, References NA, PD.DP.ONECALL.O, 192.614(c)(3)

Question Text *Observe operator process a "One Call" ticket.*

Assets Covered 90612

Result Notes No locates available to process. Pascal walked me through his process and showed examples

13. Question Result, ID, References Sat, PD.DP.PDPROGRAM.R, 192.614(c)

Question Text *Does the damage prevention program meet minimum requirements specified in 192.614(c)?*

Assets Covered 90612

Result Notes OM&E Section 7.7 (192.614)

14. Question Result, ID, References Sat, PD.DP.DPINFOGATHER.P, 192.917(b) (192.935(b)(1)(ii))

Question Text *Does the process require critical damage prevention information be gathered and recorded during pipeline patrols, leak surveys, and integrity assessments?*

Assets Covered 90612

Result Notes OM&E Attachment B (P8)

15. Question Result, ID, References Sat, PD.DP.DPINFOGATHER.R, 192.947(b) (192.917(b), 192.935(b)(1)(ii))

Question Text *Do records demonstrate that critical damage prevention information is being gathered and recorded during pipeline patrols, leakage surveys, and integrity assessments?*

Assets Covered 90612

Result Notes Patrolling performed every two months, reviewed records for 2021 and 2022

Leak survey performed monthly by NWMF/Everline, reviewed records for 2021 and 2022

PD.PA: Public Awareness

16. Question Result, ID, References Sat, PD.PA.ASSETS.P, 192.616(b) (API RP 1162 Section 2.7 Step 4)

Question Text *Does the program clearly identify the specific pipeline systems and facilities to be included in the program, along with the unique attributes and characteristics of each?*

Assets Covered 90612

Result Notes OM&E Section 7.10.2

17. Question Result, ID, References Sat, PD.PA.AUDIENCEID.P, 192.616(d) (192.616(e), 192.616(f), API RP 1162 Section 2.2, API RP 1162 Section 3)

Question Text *Does the program establish methods to identify the individual stakeholders in the four affected stakeholder audience groups: (1) affected public, (2) emergency officials, (3) local public officials, and (4) excavators, as well as affected municipalities, school districts, businesses, and residents?*

Assets Covered 90612

Result Notes OM&E Section 7.10.6

18. Question Result, ID, References Sat, PD.PA.MGMTSUPPORT.P, 192.616(a) (API RP 1162 Section 2.5, API RP 1162 Section 7.1)

Question Text *Does the operator's program documentation demonstrate management support?*

Assets Covered 90612

Result Notes OM&E Section 7.10.4

19. Question Result, ID, References Sat, PD.PA.PROGRAM.P, 192.616(a) (192.616(h))

Question Text *Has the continuing public education (awareness) program been established as required?*

Assets Covered 90612

Result Notes OM&E Section 7.10

20. Question Result, ID, References Sat, PD.PA.AUDIENCEID.R, 192.616(d) (192.616(e), 192.616(f), API RP 1162 Section 2.2, API RP 1162 Section 3)

Question Text *Do records identify the individual stakeholders in the four affected stakeholder audience groups: (1) affected public, (2) emergency officials, (3) local public officials, and (4) excavators, as well as affected municipalities, school districts, businesses, and residents to which it sends public awareness materials and messages?*

Assets Covered 90612

Result Notes OM&E Section 7.10.10

Letters are sent to excavators who request dig ticket

21. Question Result, ID, References Sat, PD.PA.MESSAGES.P, 192.616(c) (API RP 1162 Section 3, API RP 1162 Section 4, API RP 1162 Section 5)

Question Text *Does the program define the combination of messages, delivery methods, and delivery frequencies to comprehensively reach all affected stakeholder audiences in all areas where gas is transported?*

Assets Covered 90612

Result Notes OM&E Section 7.10.7

22. Question Result, ID, References Sat, PD.PA.SUPPLEMENTAL.P, 192.616(c) (API RP 1162 Section 6.2)

Question Text *Were relevant factors considered to determine the need for supplemental public awareness program enhancements for each stakeholder audience, as described in API RP 1162?*

Assets Covered 90612

23. Question Result, ID, References Sat, PD.PA.EDUCATE.R, 192.616(d) (192.616(f))

Question Text *Did delivered messages specifically include provisions to educate the public, emergency officials, local public officials, and excavators on: (1) Use of a one-call notification system prior to excavation and other damage prevention activities; (2) Possible hazards associated with unintended releases from a gas pipeline facility; (3) Physical indications of a possible release; (4) Steps to be taken for public safety in the event of a gas pipeline release; and (5) Procedures to report such an event?*

Assets Covered 90612

Result Notes Public Awareness letter included all required information

24. Question Result, ID, References Sat, PD.PA.LOCATIONMESSAGE.R, 192.616(e) (192.616(f))

Question Text *Were messages developed and delivered to advise affected municipalities, school districts, businesses, and residents of pipeline facility locations?*

Assets Covered 90612

Result Notes Letter sent annually to stakeholders

No public/school districts

25. Question Result, ID, References Sat, PD.PA.MESSAGEFREQUENCY.R, 192.616(c) (API RP 1162 Table 2-1, API RP 1162 Table 2-2, API RP 1162 Table 2-3)

Question Text *Did the delivery of materials and messages meet or exceed the baseline delivery frequencies specified in API RP 1162, Table 2-1 through Table 2.3?*

Assets Covered 90612

Result Notes Letter sent annually, reviewed receipts for 2020 and 2021, 2022 not yet completed

26. Question Result, ID, Sat, EP.ERG.LIAISON.R, 192.605(a) (192.615(c)(1), 192.615(c)(2), 192.615(c)(3), 192.615(c)(4),
References 192.616(c), ADB-05-03) (also presented in: EP.ERG)

Question Text *Do records indicate that liaison has been established and maintained with appropriate fire, police, public officials, and utility owners?*

Assets Covered 90612

Result Notes Public Awareness letters sent annually to stakeholders

Reviewed USPS receipts for 2020 and 2021, 2022 not yet completed

Attend LEPC meetings periodically

27. Question Result, ID, Sat, PD.PA.LANGUAGE.P, 192.616(g) (API RP 1162 Section 2.3.1)
References

Question Text *Does the program require that materials and messages be provided in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?*

Assets Covered 90612

Result Notes Program identifies census data of non-English speaking population is single digit percentage so the program is only administered in English

OM&E Section 7.10.7

28. Question Result, ID, NA, PD.PA.LANGUAGE.R, 192.616(g) (API RP 1162 Section 2.3.1)
References

Question Text *Were materials and messages developed and delivered in other languages commonly understood by a significant number and concentration of non-English speaking populations in the operator's areas?*

Assets Covered 90612

Result Notes No such event occurred, or condition existed, in the scope of inspection review.

29. Question Result, ID, Sat, PD.PA.EVALPLAN.P, 192.616(i) (192.616(c), API RP 1162 Section 8, API RP 1162 Appendix E)
References

Question Text *Does the program include a process that specifies how program implementation and effectiveness will be periodically evaluated?*

Assets Covered 90612

Result Notes OM&E Section 7.10.8

OM&E Attachment C

30. Question Result, ID, Sat, PD.PA.EVALIMPL.R, 192.616(c) (192.616(i), API RP 1162 Section 8.3)
References

Question Text *Has an audit or review of the operator's program implementation been performed annually since the program was developed?*

Assets Covered 90612

Result Notes Completed annually, reviewed records for 2020, 2021 and 2022

31. Question Result, ID, Sat, PD.PA.AUDITMETHODS.R, 192.616(c) (192.616(i), API RP 1162 Section 8.3)
References

Question Text *Was one or more of the three acceptable methods (i.e., internal assessment, 3rd-party contractor review, or regulatory inspections) used to complete the annual audit or review of program implementation?*

Assets Covered 90612

Result Notes Internal assessment completed annually, reviewed records for 2020, 2021 and 2022

32. Question Result, ID, NA, PD.PA.PROGRAMIMPROVE.R, 192.616(c) (API RP 1162 Section 8.3)
References

Question Text *Were changes made to improve the program and/or the implementation process based on the results and findings of the annual audit(s)?*

Assets Covered 90612

Result Notes **There have been no changes**

33. Question Result, ID, References **Sat, PD.PA.EVALEFFECTIVENESS.R, 192.616(c) (API RP 1162 Section 8.4)**
Question Text *Have effectiveness evaluation(s) of the program been performed for all stakeholder groups in all notification areas along all systems covered by the program?*
Assets Covered **90612**
Result Notes **Annual internal effectiveness review is completed**
34. Question Result, ID, References **Sat, PD.PA.MEASUREOUTREACH.R, 192.616(c) (API RP 1162 Section 8.4.1)**
Question Text *In evaluating effectiveness, was actual program outreach for each stakeholder audience tracked?*
Assets Covered **90612**
Result Notes **Confirm outreach via USPS proof of receipts**
35. Question Result, ID, References **Sat, PD.PA.MEASUREUNDERSTANDABILITY.R, 192.616(c) (API RP 1162 Section 8.4.2)**
Question Text *In evaluating program effectiveness, was the percentage of each stakeholder audience that understood and retained the key information from the messages determined?*
Assets Covered **90612**
Result Notes **Confirm outreach via USPS proof of receipts, letter identify all assets and hazards associated with the pipeline**
36. Question Result, ID, References **Sat, PD.PA.MEASUREBEHAVIOR.R, 192.616(c) (API RP 1162 Section 8.4.3)**
Question Text *In evaluating program effectiveness, was evaluation made of whether appropriate preventive, response, and mitigative behaviors were understood and likely to be exhibited?*
Assets Covered **90612**
Result Notes **Confirm outreach via USPS proof of receipts, letter identifies response activities**
37. Question Result, ID, References **NA, PD.PA.MEASUREBOTTOM.R, 192.616(c) (API RP 1162 Section 8.4.4)**
Question Text *Were bottom-line results of the program measured by tracking third-party incidents and consequences including: (1) near misses, (2) excavation damages resulting in pipeline failures, (3) excavation damages that do not result in pipeline failures?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**
38. Question Result, ID, References **NA, PD.PA.CHANGES.R, 192.616(c) (API RP 1162 Section 2.7 (Step 12), API RP 1162 Section 8.5)**
Question Text *Were needed changes and/or modifications to the program identified and documented based on the results and findings of the program effectiveness evaluations?*
Assets Covered **90612**
Result Notes **No such event occurred, or condition existed, in the scope of inspection review.**

PD.RW: ROW Markers, Patrols, Monitoring

39. Question Result, ID, References **Sat, MO.RW.PATROL.P, 192.705(a) (192.705(b), 192.705(c)) (also presented in: MO.RW)**
Question Text *Does the process adequately cover the requirements for patrolling the ROW and conditions reported?*
Assets Covered **90612**
Result Notes **Patrolling performed every two months, OM&E Manual Attachment A and Section 7.7**

OM&E Manual Attachment B (P8)
40. Question Result, ID, References **Sat, MO.RW.PATROL.R, 192.709(c) (192.705(a), 192.705(b), 192.705(c)) (also presented in: MO.RW)**
Question Text *Do records indicate that ROW surface conditions have been patrolled as required?*
Assets Covered **90612**
Result Notes **Performed every two months, NWMF completed until 04/2022, Everline took over after that**

Reviewed records for 2021 and 2022

41. Question Result, ID, **Sat, MO.RW.ROWMARKER.O, 192.707(a) (192.707(b), 192.707(c), 192.707(d))** (also presented in: References **MO.RW**)
Question Text *Are line markers placed and maintained as required?*
Assets Covered **90612**
42. Question Result, ID, **Sat, MO.RW.ROWCONDITION.O, 192.705(a) (192.705(c))** (also presented in: **MO.RW**)
References
Question Text *Are the ROW conditions acceptable for the type of patrolling used?*
Assets Covered **90612**
43. Question Result, ID, **Sat, MO.RW.ROWMARKER.P, 192.707(a) (192.707(b), 192.707(c), 192.707(d))** (also presented in: References **MO.RW**)
Question Text *Does the process adequately cover the requirements for placement of ROW markers?*
Assets Covered **90612**
Result Notes **OM&E Section 7.8 (192.707)**

OM&E Attachment B (P9)

PD.SP: Special Permits

44. Question Result, ID, **NA, PD.SP.REPAIR.P, 190.341(d)(2)**
References
Question Text *If the operator operates a pipeline under a special permit have the processes been modified to incorporate the requirements of the permit for required repairs?*
Assets Covered **90612**
Result Notes **No such requirement existed in the scope of inspection review. No special permits**
45. Question Result, ID, **NA, PD.SP.BESTPRACTICE.P, 190.341(d)(2)**
References
Question Text *If the operator operates a pipeline under a special permit, do the processes specify implementation of applicable CGA Best Practices?*
Assets Covered **90612**
Result Notes **No such requirement existed in the scope of inspection review. No special permits.**
46. Question Result, ID, **NA, PD.SP.REPAIR.R, 190.341(d)(2)**
References
Question Text *If the operator operates a pipeline under a special permit, do records indicate that required repairs were performed?*
Assets Covered **90612**
Result Notes **No such requirement existed in the scope of inspection review. No special permits.**
47. Question Result, ID, **NA, PD.SP.REQUIREMENT.O, 190.341(d)(2)**
References
Question Text *If the operator operates a pipeline under a special permit verify that the requirements have been implemented.*
Assets Covered **90612**
Result Notes **No such requirement existed in the scope of inspection review. No special permits.**

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